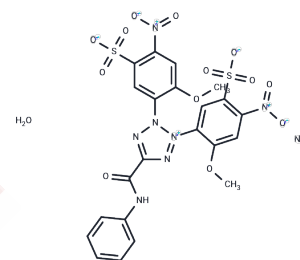


## XTT (sodium salt hydrate)

## Chemical Properties

CAS No. :	413585-64-5
Formula:	C <sub>22</sub> H <sub>16</sub> N <sub>7</sub> NaO <sub>13</sub> S <sub>2</sub> xH <sub>2</sub> O
Molecular Weight:	
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	XTT is a cell-impermeable, negatively charged tetrazolium dye that produces a water-soluble formazan when reduced at the cell surface by cellular-derived NADH and an electron mediator [1,2]. It is frequently used in colorimetric assays to measure cell proliferation, cytotoxicity, and apoptosis [3].
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 3.3 mg/mL, Sonication is recommended. PBS (pH 7.2): 3.3 mg/mL, Sonication is recommended. DMF: 0.5 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Reference

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- Berridge, M.V., and Tan, A.S. Trans-plasma membrane electron transport: A cellular assay for NADH- and NADPH-oxidase based on extracellular, superoxide-mediated reduction of the sulfonated tetrazolium salt WST-1. *Protoplasma* 205:74-82 (1998)
- Sutherland, M.W., and Learmonth, B.A. The tetrazolium dyes MTS and XTT provide new quantitative assays for superoxide and superoxide dismutase. *Free Radical Research* 27(3):283-289 (1997)

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